Accompanied by cover letter from F. A. Zacharewicz to Alvin L. Young, March 21, 1980.
March 21, 1980

Major Alvin L. Young, Ph.D.
Herbicide Orange Project
Epidemiology Division
USAF School of Aerospace Medicine/ESS
Brooks AFB, Texas 78235

Dear Major Young:

This is the rough draft of the Herbicide Orange questionnaire compiled by our staff with input from Mr. Ronald DeYoung and Mr. Michael Skyer. Please review this and let us have your comments at your earliest convenience. We also intend to go in greater detail at our next content meeting.

Sincerely,

F. A. Zacharewicz, M.D.
Director, South Central Regional Medical Education Center

Enclosure
HERBICIDE ORANGE QUESTIONNAIRE

1. Dates of Military Service
   Month: Year: to: Month: Year:

2. Dates of Service in Vietnam:
   Month: Year: to: Month: Year:

3. Dates of other foreign or overseas service:
   Month: Year: to: Month: Year:

4. Branch of Service: (Circle appropriate letter)
   a. Army
   b. Navy
   c. Air Force
   d. Marines
   e. Coast Guard
   f. Others: Specify

5. Unit served in Vietnam: (Columns II and III are to be used for multiple assignments)
   COLUMN I COLUMN II COLUMN III
   a. Division
   b. Brigade
   c. Regiment
   d. Battalion
   e. Company
   f. Others: Specify:

6. Names of base camps while stationed in Vietnam:
   Approximate duration of stay
   from: MO: YR: to: MO: YR:
   MO: YR: MO: YR:
   MO: YR: MO: YR:
7. Field operations while in Vietnam: (List code names Veteran can remember such as Dewey, Canyon, Sherwood Forest, IA-Drang)
   a. ____________
   b. ____________
   c. ____________

8. Identify other oversea operations involving contact with toxic chemicals
   a. ____________
   b. ____________
   c. ____________

9. Which military corp in Vietnam did veteran serve? (Circle applicable letters)
   a. I Corp
   b. II Corp
   c. III Corp
   d. IV Corp
   e. Unknown

10. Does veteran recall military operations in defoliated areas?
    Yes ______
    No ______

11. Was Veteran attached to: (Circle applicable letters)
    a. Air Force Operation Ranch Hand __
    b. Armor
    c. Aviation
    d. Transportation
    e. Infantry
    f. Engineers
    g. Artillery
    h. Chemical Corp
    i. Others: Specify ____________

12. Identify Landmarks, firebases or towns near defoliation: (such as Black Virgin Mountain, LZ English, Rock Pile and Firebase Moore)
    a. ____________
    b. ____________
    c. ____________

Identify defoliated areas Veteran recalls on or near base camp: (Such as Clean Field of Fire, Dead defoliated areas)
    a. ____________
    b. ____________
14. What was the Veteran's military occupation code number: (MOS)
   
   Primary Code ____________ Secondary Code ____________
   
   If Code is unknown give duties or job title. ________________
   
   Was Veteran's actual duties different from those identified above.
   YES  NO  
   
   If YES is checked please specify ____________________________

15. Did Veteran handle or use chemical weapons while in Vietnam or elsewhere?
   YES  NO  
   
   If YES is checked please identify types of chemical
   
   a. Gases:
      CS  
      CN  
      BZ  
   
   b. Irrantants ________
   
   c. Insecticides __________
   
   d. Herbicides ____________
   
   e. Unknown ______________
   
   Identify method of contact with chemicals
   
   a. Bulk chemicals ________
   
   b. Spray operations ________
   
   c. Operations in recent contaminated areas ________________

16. Does veteran recall any exposure to toxic chemicals?
   YES: ______  NO: ______
   
   If YES is checked please identify types of chemical
   
   a. Gases:
      CS  
      CN  
      BZ  
   
   b. Irrantants ______________
   
   c. Insecticides ____________
   
   d. Herbicides ______________
   
   e. Unknown ______________
17. Identify methods of exposure to chemicals
   a. Direct contact with bulk chemicals
   b. Direct contact with spray chemicals.
   c. Contact with recently sprayed plants.
   d. Contaminated foods
   e. Contaminated water
   f. Digging in contaminated soil.

18. A. Identify the type of spraying operations used in Vietnam
    a. Fixed wing aircraft
    b. Helicopters
    c. Truck mounted sprayers
    d. Hand held spraying equipment
    e. Others: Specify ____________________________

    B. If fixed wing aircraft was used, was it
    a. Silver in color
    b. Camouflage painted
    c. Unknown (does not remember)

    C. Identify approximate time of day of fixed wing spraying operation
    a. Early morning
    b. Mid-day
    c. Late afternoon
    d. After dark
19. Identify Veteran's frequency of exposure (Total number of days exposed, such as guard duties every third night on perimeter and duration of stay in defoliated areas)
   a. One to ten days
   b. Eleven to twenty days
   c. Twenty-one to thirty days
   d. Thirty-one to forty days
   e. Forty-one or more days
   f. Unknown

20. Does veteran describe exposure as
   a. Severe
   b. Moderate
   c. Mild
   d. Uncertain

21. Did Veteran eat locally grown fruits or crops
   YES _____ NO _____
   If YES is checked please circle applicable letters
   a. Mangos, papayas, bananas, plantain
   b. Sweet potatoes
   c. Rice

22. Did Veteran locally obtained meats or fish
   YES _____ NO _____
   If YES is checked identify type of
   a. Meats _________
   b. Fish _________
   c. Shell fish _________
   d. Wild game _________
23. How often did Veteran eat foods obtained locally
   a. Frequently
   b. Occasionally
   c. Not at all

24. Does Veteran recall the sources of his drinking water
   a. Base camp
      1. River _____
      2. Stream ______
      3. Unknown source ______
   b. Field
      1. Rivers _______
      2. Stream _______
      3. Paddies _______
      4. Lakes _______
      5. Ponds _______
      6. Shelled craters _____________
      7. Collected rain water ___________
      8. Others: Specify ______________
25. Did the veteran experience

<table>
<thead>
<tr>
<th></th>
<th>Before going to Vietnam</th>
<th>While in Vietnam</th>
<th>Within two years after return from Vietnam</th>
<th>More than two years after return from Vietnam</th>
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</thead>
<tbody>
<tr>
<td>a. Skin rash, blisters, boil or running sore hives, others</td>
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<tr>
<td>b. Frequent headaches</td>
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<td>c. Stomach ulcers</td>
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<td>e. Severe diarrhea</td>
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<td>f. Jaundice</td>
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<td>g. Nervous system psychological problems</td>
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(see VA Form 10-20681 for additional symptoms)

26. Did the veteran seek medical care while in Vietnam

YES ____  NO ____

If YES was check identify medical personnel

a. Corpsmen/aid station
b. Nurse/physician at field hospital
c. Others: Specify ______________________

27. Identify "reasons" for seeking medical care

a. Wounds
b. Other injuries
c. Illness
28. Provide (complete) the following:

Approx. dates of tr: Symptoms of illness: Where treated: (such as 24th Evac. Hos., 1st Infantry, Division Hospital, Battalion aid Station) Was Treatment effective:


29. Identify the type of anti-malarial medication the veteran received
   a. Big orange pill/Chlorogaine/Primaquine
   b. Big pink pill/Chloroquine
   c. Little white pill/Dapsone
   d. Others/unknown

30. Did Veteran take other prescribed drugs while in Vietnam?
   YES _____ NO _____
   If YES was checked list name of medications


31. Identify other substances such as non-tobacco cigarettes or other non-prescribed drugs. (This is an attempt to identify illegal or controlled substances used by veterans while in Vietnam)
32. Identify alcohol usage (Responses are optional)

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<th>Before going to Vietnam</th>
<th>While in Vietnam</th>
<th>After leaving Vietnam</th>
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</thead>
<tbody>
<tr>
<td>a. Heavy</td>
<td>________________________</td>
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<tr>
<td>b. Moderate</td>
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<td>c. Light</td>
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<tr>
<td>d. None</td>
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33. Does the veteran recall ever working in an occupation where chemicals were used?

<table>
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<tr>
<th></th>
<th>Before going to Vietnam</th>
<th>While in Vietnam</th>
<th>After leaving Vietnam</th>
<th>Type of chemical if known</th>
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34. Does Veteran recall being exposed to chemicals around the house and/or farm? (Circle appropriate letters)

- a. Lawn weed killers
- b. Pesticides
- c. Insecticides
- d. Agriculture chemicals

35. Identify Veterans's use (Circle appropriate letter)

- a. Heavy
- b. Moderate
- c. Light
- d. None
- e. Ex-smoker